1/20/89 TA

EMCON
ASSOCIATES
Consultants in Wastes
Management and
Environmental Control

September 21, 1988
Project No. A72-01.02

Mr. Nestor O. Acedera, Chief
Site Mitigation Unit
Toxic Substances Control Division, Region 3
Department of Health Services
107 South Broadway, Room 7011
Los Angeles, California 90012

Re: Supplement to Certification Form for Walker Properties Site, Parcel 1

boundary?

Dear Mr. Acedera:

Attached for your review is a supplement to the Certification Form (dated August 3, 1988) for Parcel 1 of the Walker Properties site located in Santa Fe Springs, California. A copy of this supplement is also being sent to the County of Los Angeles. ??

As explained in our letter to you dated August 30, 1988, a small portion of the original Parcel 2 was proposed to be added to Parcel 1. Figure 1, attached, shows the new parcel boundary and the locations of the three additional soil borings which were drilled and sampled to evaluate the potential for hazardous substances in the soil in this area. The following discussion provides details regarding the field investigation and the laboratory analyses which were performed on the soil samples.

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Field Investigation

3 Borings, Sampled @ 5'

On September 2, 1988, three additional exploratory soil borings (B-14, B-15, and B-16) were drilled, then sampled at a depth of five feet below grade. The borings were drilled using a hand-held auger and samples of undisturbed soil taken with a soil-core sampler which held a brass liner. The equipment was cleaned in a trisodium phosphate solution and double-rinsed before beginning each boring. The soil samples were retained in the brass liners, sealed with Teflon tape and plastic caps, labeled and stored on ice.

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3300 N. San Fernando Blvd., Burbank, California 91504, (818) 841-1160

The borings encountered clayey to silty sand to the maximum depth drilled. No unusual odors or discolorations were noted in Borings B-14, B-15, or in most of B-16. An oily odor was noted in B-16, between four and five feet deep below ground surface.

Laboratory Analysis

The three soil samples were transmitted on ice with appropriate chain-of-custody documentation to Truesdail Laboratories (a State-certified laboratory located in Santa Ana, California) for analysis of volatile organics by U.S. EPA Method 8240, chlorinated pesticides and PCBs by U.S. EPA Method 8080, barium by U.S. EPA Method 7080, and lead by U.S. EPA Method 7420. The certified analytical reports are provided in Attachment 1.

8240
8080
Pb
Ba

No volatile organics, pesticides, nor PCBs were detected in any of the samples. The detection limit was 0.5 mg/kg for the volatile organics, 0.0005 mg/kg for pesticides, and 0.1 mg/kg for PCBs.

Lead and barium were detected in each of the samples as shown in Table 1. The maximum concentrations of these two metals were found in Boring B-16. The barium concentration in this sample was 293 mg/kg, well below its Total Threshold Limit Concentration (TTLC) of 10,000 mg/kg, and less than ten times its Soluble Threshold Limit Concentration (STLC) of 100 mg/L. The maximum lead concentration detected in this sample was 11.2 mg/kg. This concentration is below the 1,000 mg/kg TTLC for lead, and is less than ten times the STLC of 5 mg/L for this element.

Conclusion

Based on these findings, it appears that further investigation and mitigation of this area is not required. The environmental conditions of Parcels 2 and 3 and groundwater will be addressed in a subsequent phase of this project. Therefore, EMCON Associates recommends completion of the certification process for the area shown as Parel 1 on Figure 1.

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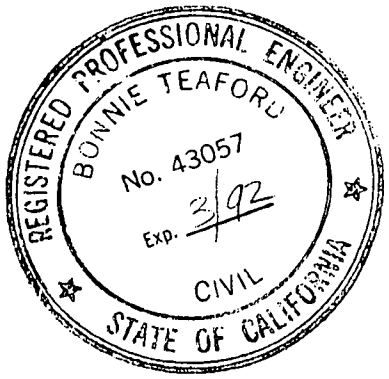
If you have any questions or comments regarding this letter or the certification package previously submitted to you, please do not hesitate to call Bonnie Teaford.



Sincerely,

EMCON Associates

Bonnie Teaford

Bonnie Teaford, P.E.
Project Manager
RCE No. 43057

John N. Batchelder
Branch Manager

BT/JNB:se

Attachments: Figure 1 - Site Plan
Table 1 - Summary of Analytical Results for Metals - Soil Samples Collected in September 1988 (Parcel 1)
Attachment 1 - Certified Analytical Reports for Soil Samples Collected in September 1988 by EMCON Associates

cc: Mr. George Walker
Mr. Thomas J. Prenevost (Fabozzi, Prenevost, Normandin)
Mr. William Jones (County of Los Angeles Department of Health Services)
Mr. Rusty Turner (Turner Development Corporation)
Mr. George Beaty (City of Santa Fe Springs)

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TABLE 1

SUMMARY OF ANALYTICAL RESULTS FOR METALS
SOIL SAMPLES COLLECTED IN SEPTEMBER 1988 (PARCEL 1)

Boring No.	Depth (feet)	Barium (mg/kg)	Lead (mg/kg)
B-14	5	208	6.2
B-15	5	118	2.2
B-16	5	293	11.2

ATTACHMENT 1

CERTIFIED ANALYTICAL REPORTS FOR
SOIL SAMPLES COLLECTED IN
SEPTEMBER 1988 BY EMCON ASSOCIATES

REPORT

TRUESDAIL LABORATORIES, INC.

CHEMISTS - MICROBIOLOGISTS - ENGINEERS
RESEARCH — DEVELOPMENT — TESTING

14201 FRANKLIN AVENUE
TUSTIN, CALIFORNIA 92680
AREA CODE 714 • 730-6239
AREA CODE 213 • 225-1564
CABLE: TRUELABS

CLIENT **Emcon Associates**
3300 North San Fernando Blvd.
Burbank, CA 91504
Attention: Bonnie Teaford

DATE September 15, 1988

RECEIVED September 2, 198

LABORATORY NO. 30720

SAMPLE **Soils from Turner Development**
Project # A72-0101

INVESTIGATION **As Requested**

RESULTS

Milligrams per Kilogram

Parameter	B-14	B-15	B-16
Barium (Ba, 7080)	208	118	293 - max
Lead (Pb, 7420)	6.2	2.2	11.2 - max
Polychlorinated Biphenyls (EPA 8080)			ND
PCB-1016	<0.4	<0.4	<0.4
PCB-1221	<0.4	<0.4	<0.4
PCB-1232	<0.4	<0.4	<0.4
PCB-1242	<0.4	<0.4	<0.4
PCB-1248	<0.4	<0.4	<0.4
PCB-1254	<0.4	<0.4	<0.4
PCB-1260	<0.4	<0.4	<0.4

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

Julia Nayberg, Manager
Inorganic Chemistry

TRUESDAIL LABORATORIES, INC.

CLIENT: Emcon Associates

DATE: September 15, 1988
RECEIVED: Sept. 2, 1988
LAB NUMBER: 30720-1

ATTENTION: Bonnie Teaford
SAMPLE: Soil B-15

INVESTIGATION: Purgeable Organics (Volatiles) by GC-MS (EPA 8240)

Constituent	Approximate Detection Limit*	Concentration (ug/g**)
Benzene	0.5 ug/g	ND
bis (2-chloroethyl) ether	0.5 ug/g	ND
Bromodichloromethane	0.5 ug/g	ND
Bromoform	0.5 ug/g	ND
Bromomethane	0.5 ug/g	ND
Carbon Tetrachloride	0.5 ug/g	ND
Chlorobenzene	0.5 ug/g	ND
Chloroethane	0.5 ug/g	ND
2-Chlorethyvinyl ether	0.5 ug/g	ND
Chloroform	0.5 ug/g	ND
Chloromethane	0.5 ug/g	ND
Dibromochloromethane	0.5 ug/g	ND
1,2-Dichlorobenzene	0.5 ug/g	ND
1,3-Dichlorobenzene	0.5 ug/g	ND
1,4-Dichlorobenzene	0.5 ug/g	ND
Dichlorodifluoromethane	0.5 ug/g	ND
1,1-Dichloroethane	0.5 ug/g	ND
1,2-Dichloroethane	0.5 ug/g	ND
1,1-Dichloroethene	0.5 ug/g	ND
trans-1,2-Dichloroethene	0.5 ug/g	ND
1,2-Dichloropropane	0.5 ug/g	ND
cis-1,3-Dichloropropene	0.5 ug/g	ND
trans-1,3-Dichloropropene	0.5 ug/g	ND
Ethyl Benzene	0.5 ug/g	ND
Methylene Chloride	0.5 ug/g	ND
Methyl Ethyl Ketone	0.5 ug/g	ND
Methyl Isobutyl Ketone	0.5 ug/g	ND
1,1,2,2-Tetrachloroethane	0.5 ug/g	ND
Tetrachloroethene	0.5 ug/g	ND

* Detection limits may vary with the type of sample and with the concentrations of other species present.

** ND = Not detected, below detection limit.

TRUESDAIL LABORATORIES, INC.

DUPLICATE

LAB NUMBER: 30720-1
CLIENT: Emcon Associates

INVESTIGATION: Purgeable Organics (Volatiles) by GC-MS (EPA 8240)

Constituent	Approximate Detection Limit*	Concentration (ug/g**)
Toluene	0.5 ug/g	ND
1,1,1-Trichloroethane	0.5 ug/g	ND
1,1,2-Trichloroethane	0.5 ug/g	ND
Trichloroethene	0.5 ug/g	ND
Trichlorofluoromethane	0.5 ug/g	ND
Vinyl Chloride	0.5 ug/g	ND
Xylenes	0.5 ug/g	ND

* Detection limits may vary with the type of sample and with the concentrations of other species present.

** ND = Not detected, below detection limit.

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

Julia Nayberg, Manager
Inorganic Chemistry

TRUESDAIL LABORATORIES, INC.

DUPLICATE

CLIENT: Emcon Associates

DATE: September 15, 1988
RECEIVED: Sept. 2, 1988
LAB NUMBER: 30720-2

ATTENTION: Bonnie Teaford
SAMPLE: Soil B-14

INVESTIGATION: Purgeable Organics (Volatiles) by GC-MS (EPA 8240)

Constituent	Approximate Detection Limit*	Concentration (ug/g**)
Benzene	0.5 ug/g	ND
bis (2-chloroethyl) ether	0.5 ug/g	ND
Bromodichloromethane	0.5 ug/g	ND
Bromoform	0.5 ug/g	ND
Bromomethane	0.5 ug/g	ND
Carbon Tetrachloride	0.5 ug/g	ND
Chlorobenzene	0.5 ug/g	ND
Chloroethane	0.5 ug/g	ND
2-Chlorethyvinyl ether	0.5 ug/g	ND
Chloroform	0.5 ug/g	ND
Chloromethane	0.5 ug/g	ND
Dibromochloromethane	0.5 ug/g	ND
1,2-Dichlorobenzene	0.5 ug/g	ND
1,3-Dichlorobenzene	0.5 ug/g	ND
1,4-Dichlorobenzene	0.5 ug/g	ND
Dichlorodifluoromethane	0.5 ug/g	ND
1,1-Dichloroethane	0.5 ug/g	ND
1,2-Dichloroethane	0.5 ug/g	ND
1,1-Dichloroethene	0.5 ug/g	ND
trans-1,2-Dichloroethene	0.5 ug/g	ND
1,2-Dichloropropane	0.5 ug/g	ND
cis-1,3-Dichloropropene	0.5 ug/g	ND
trans-1,3-Dichloropropene	0.5 ug/g	ND
Ethyl Benzene	0.5 ug/g	ND
Methylene Chloride	0.5 ug/g	ND
Methyl Ethyl Ketone	0.5 ug/g	ND
Methyl Isobutyl Ketone	0.5 ug/g	ND
1,1,2,2-Tetrachloroethane	0.5 ug/g	ND
Tetrachloroethene	0.5 ug/g	ND

* Detection limits may vary with the type of sample and with the concentrations of other species present.

** ND = Not detected, below detection limit.

TRUESDAIL LABORATORIES, INC.

LAB NUMBER: 30720-2
CLIENT: Emcon Associates

INVESTIGATION: Purgeable Organics (Volatiles) by GC-MS (EPA 8240)

Constituent	Approximate Detection Limit*	Concentration (ug/g**)
Toluene	0.5 ug/g	ND
1,1,1-Trichloroethane	0.5 ug/g	ND
1,1,2-Trichloroethane	0.5 ug/g	ND
Trichloroethene	0.5 ug/g	ND
Trichlorofluoromethane	0.5 ug/g	ND
Vinyl Chloride	0.5 ug/g	ND
Xylenes	0.5 ug/g	ND

* Detection limits may vary with the type of sample and with the concentrations of other species present.

** ND = Not detected, below detection limit.

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

Julia Nayberg, Manager
Inorganic Chemistry

TRUESDAIL LABORATORIES, INC.

DUPLICATE

CLIENT: Emcon Associates

DATE: September 15, 1988

RECEIVED: Sept. 2, 1988

LAB NUMBER: 30720-3

ATTENTION: Bonnie Teaford

SAMPLE: Soil B-16

INVESTIGATION: Purgeable Organics (Volatiles) by GC-MS (EPA 8240)

Constituent	Approximate Detection Limit*	Concentration (ug/g**)
Benzene	0.5 ug/g	ND
bis (2-chloroethyl) ether	0.5 ug/g	ND
Bromodichloromethane	0.5 ug/g	ND
Bromoform	0.5 ug/g	ND
Bromomethane	0.5 ug/g	ND
Carbon Tetrachloride	0.5 ug/g	ND
Chlorobenzene	0.5 ug/g	ND
Chloroethane	0.5 ug/g	ND
2-Chlorethyvinyl ether	0.5 ug/g	ND
Chloroform	0.5 ug/g	ND
Chloromethane	0.5 ug/g	ND
Dibromochloromethane	0.5 ug/g	ND
1,2-Dichlorobenzene	0.5 ug/g	ND
1,3-Dichlorobenzene	0.5 ug/g	ND
1,4-Dichlorobenzene	0.5 ug/g	ND
Dichlorodifluoromethane	0.5 ug/g	ND
1,1-Dichloroethane	0.5 ug/g	ND
1,2-Dichloroethane	0.5 ug/g	ND
1,1-Dichloroethene	0.5 ug/g	ND
trans-1,2-Dichloroethene	0.5 ug/g	ND
1,2-Dichloropropane	0.5 ug/g	ND
cis-1,3-Dichloropropene	0.5 ug/g	ND
trans-1,3-Dichloropropene	0.5 ug/g	ND
Ethyl Benzene	0.5 ug/g	ND
Methylene Chloride	0.5 ug/g	ND
Methyl Ethyl Ketone	0.5 ug/g	ND
Methyl Isobutyl Ketone	0.5 ug/g	ND
1,1,2,2-Tetrachloroethane	0.5 ug/g	ND
Tetrachloroethene	0.5 ug/g	ND

* Detection limits may vary with the type of sample and with the concentrations of other species present.

** ND = Not detected, below detection limit.

TRUESDAIL LABORATORIES, INC.

DUPLICATE

LAB NUMBER: 30720-3
CLIENT: Emcon Associates

INVESTIGATION: Purgeable Organics (Volatiles) by GC-MS (EPA 8240)

Constituent	Approximate Detection Limit*	Concentration (ug/g**)
Toluene	0.5 ug/g	ND
1,1,1-Trichloroethane	0.5 ug/g	ND
1,1,2-Trichloroethane	0.5 ug/g	ND
Trichloroethene	0.5 ug/g	ND
Trichlorofluoromethane	0.5 ug/g	ND
Vinyl Chloride	0.5 ug/g	ND
Xylenes	0.5 ug/g	ND

* Detection limits may vary with the type of sample and with the concentrations of other species present.

** ND = Not detected, below detection limit.

Respectfully submitted,

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Julia Nayberg

Julia Nayberg, Manager
Inorganic Chemistry